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Mar 13 2006 04:32:14

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Term:
 L11 and transfer adj factor

Display: 10 Documents in Display Format: - Starting with Number 1

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DATE: Monday, March 20, 2006

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<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
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<u>L14</u>	L11 and transfer adj factor	0	<u>L14</u>
<u>L13</u>	L11 and milk	1	<u>L13</u>
<u>L12</u>	L11 and colostrum	0	<u>L12</u>
<u>L11</u>	424/900	19	<u>L11</u>
<u>L10</u>	(424/85.1.CCLS)![IPC]	0	<u>L10</u>
<u>L9</u>	424/85.1.CCLS	0	<u>L9</u>
<u>L8</u>	424/900.CCLS	0	<u>L8</u>
<u>L7</u>	L6 and herpes virus	3	<u>L7</u>
<u>L6</u>	L4 and antigen adj specific	16	<u>L6</u>
<u>L5</u>	L4 and HHV	2	<u>L5</u>
<u>L4</u>	L3 and colostrum	31	<u>L4</u>
<u>L3</u>	(transfer factor)	1721	<u>L3</u>
<u>L2</u>	L1 and colostrum	2	<u>L2</u>
<u>L1</u>	Wilson G.in.	533	<u>L1</u>

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NEWS	5	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS	6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
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NEWS	14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
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NEWS	16	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS	17	FEB 28	TOXCENTER reloaded with enhancements
NEWS	18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS	19	MAR 01	INSPEC reloaded and enhanced
NEWS	20	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	21	MAR 08	X.25 communication option no longer available after June 2006

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=> "transfer factor"

763686 "TRANSFER"
24820 "TRANSFERS"
775778 "TRANSFER"
("TRANSFER" OR "TRANSFERS")
952366 "FACTOR"
853013 "FACTORS"
1502552 "FACTOR"
("FACTOR" OR "FACTORS")
L1 2055 "TRANSFER FACTOR"
("TRANSFER" (W) "FACTOR")

=> CFS

L2 1017 CFS

=> fatigue

L3 10 FATIGURE

=> Fatigue

85734 FATIGUE
129 FATIGUES
L4 85777 FATIGUE
(FATIGUE OR FATIGUES)

=> L1 and L4

L5 7 L1 AND L4

=> herpes

L6 24764 HERPES

=> L6 and L5

L7 4 L6 AND L5

=> D L4 IBIB ABS 1-4

L4 ANSWER 1 OF 85777 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:250859 CAPLUS
TITLE: Effect of bending and mechanical damage on the physical properties of poly(p-phenylene-2,6-benzobisoxazole)(PBO) fiber
AUTHOR(S): Forster, Amanda L.; Chin, Joannie W.; Gundlach, Maureen
CORPORATE SOURCE: National Institute of Standards and Technology, Gaithersburg, MD, 20899, USA
SOURCE: Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006 (2006), POLY-274. American Chemical Society: Washington, D. C.
CODEN: 69HYEC
DOCUMENT TYPE: Conference; Meeting Abstract; (computer optical disk)
LANGUAGE: English
AB Several highly publicized vest failures over the last few years have sparked much interest in the stability of polybenzobisoxazole (PBO)-based soft body armor. Much work has been focused on the effect of heat and moisture on the degradation of PBO fibers. However, little attention has been turned to the potential for phys. damage to the vest fibers during normal daily use via sitting, standing, or other normal movement. In this study, we focus on the effect of phys. damage on the mech. properties of virgin yarn. A simple bend cycling apparatus was used to create and then relax two distinct bends in a bundle of PBO fibers. The bundle was then repeatedly cycled to **fatigue** the initial bundle damage zones. The fatigued fibers were then analyzed via dynamic mech. thermal anal. (DMTA) in transient and dynamic modes to assess their microtensile and dynamic properties. Confocal microscopy was used to characterize visible phys. damage to the bent fibers and other phys. damaged fibers. Expts. were carried out at room temperature and at 40° C (high end average use temperature). In this presentation, we discuss the effect of bend **fatigue** on the mech. and phys. properties of PBO fiber.

L4 ANSWER 2 OF 85777 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:250858 CAPLUS
TITLE: Polymer/carbon nanotube composite films and fibers
AUTHOR(S): Kumar, Satish
CORPORATE SOURCE: School of Polymer, Textile and Fiber Engineering, Georgia Institute of Technology, Atlanta, GA, 30332, USA
SOURCE: Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006 (2006), POLY-273. American Chemical Society: Washington, D. C.
CODEN: 69HYEC
DOCUMENT TYPE: Conference; Meeting Abstract; (computer optical disk)
LANGUAGE: English
AB Single, double, and multiwall carbon nanotubes (CNT), and vapor grown carbon nano fibers are dispersed in polymer matrixes by insitu polymerization, in melt, and in solution. These dispersions are extruded into continuous fibers by conventional melt or solution spinning. Incorporation of CNTs in polymers results in enhanced tensile strength, modulus, **fatigue** resistance, chemical resistance, glass transition temperature, and reduced thermal shrinkage. CNTs act as nucleating agent for polymer crystallization. Polyacrylonitrile/CNT is a potential precursor for next generation carbon fiber. CNT and polymer/CNT films are also being processed with unique combination of tensile properties, elec. and thermal conductivity, dimensional and thermal stability, low d., and solvent resistance. Mesoporous CNT based films are being evaluated for electrochem. supercapacitor electrodes. Polymers, and polymer/CNTs are also being processed into porous nano fibers, nano wires, and microscopic cups by electrospinning. Nano fibers are being used for making bio-degradable scaffolds for tissue engineering.

L4 ANSWER 3 OF 85777 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:247204 CAPLUS
TITLE: Improved underfills for copper/low-k flip chip laminate packages
AUTHOR(S): Zhang, Jack; Liu, Puwei; Ji, Qing; Shi, Gary; Todd,

Michael
CORPORATE SOURCE: Irvine R&D Center, Henkel Technologies, Irvine, CA,
92618, USA
SOURCE: Abstracts of Papers, 231st ACS National Meeting,
Atlanta, GA, United States, March 26-30, 2006 (2006),
IEC-193. American Chemical Society: Washington, D. C.
CODEN: 69HYEC
DOCUMENT TYPE: Conference; Meeting Abstract; (computer optical disk)
LANGUAGE: English
AB Flip chip packages are gaining popularity with the increased demand of
high pin count and high speed circuitry designs. Underfills have been
commonly applied in organic substrate flip chip packages to couple the CTE
mismatch between silicon dies and substrates, and therefore minimize the
fatigue failure of solder bumps in thermal cycle conditions. The
CTE of underfills have been formulated to closely match the CTE of solder
bumps. Because of the high CTEs of traditional epoxy based resin systems,
large amount of silica fillers have to be added to help lower the CTE. The
glass transition temps. (Tg) of cured systems have also been designed to
be high so the systems can be kept at glassy states with the low CTEs in
the thermal cycle range. The moduli are therefore high as well. Such
formulations have been proved to be very effective in minimize solder bump
fatigue failures in organic packages. However, in the latest low-k
dielec. flip chip packages, it is noticed that high modulus underfills
could introduce more failures in low-k layer although such high modulus
and low CTE formulations worked fine in traditional flip chip laminate
packages. Therefore, new underfills featured with low CTEs and medium to
low moduli are needed for the new low-k dielec. flip chip laminate
packages. A new resin system was developed to match the requirements.
Compared to traditional systems, the new system demonstrated good
flowability, as well as low CTE and low modulus after cure. Such
characteristics greatly reduced the dependency on fillers and gave more
rooms for other formulation improvements. Finite element anal. also
proved underfills based on the new resin system could lower the stresses
on low-k dielec. layers while maintaining the protection on solder bumps.

L4 ANSWER 4 OF 85777 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:244792 CAPLUS
TITLE: Influence of antioxidant exposure in vivo and in vitro
on the biochemical markers of free radical damage in
muscle
AUTHOR(S): Hayden, Edith E. W.; Cline, Paul M.; Fisher, Matthew
A.
CORPORATE SOURCE: Department of Chemistry, Saint VIncent College,
Latrobe, PA, 15650, USA
SOURCE: Abstracts of Papers, 231st ACS National Meeting,
Atlanta, GA, United States, March 26-30, 2006 (2006),
CHED-723. American Chemical Society: Washington, D.
C.
CODEN: 69HYEC
DOCUMENT TYPE: Conference; Meeting Abstract; (computer optical disk)
LANGUAGE: English
AB Exercise causes damage to lipids, proteins, and DNA by increasing the
concentration of reactive oxygen species (ROS) that are present in cells.
Vitamin E and vitamin C are two antioxidants that have been hypothesized
to reduce the damage caused by ROS. This study looks at the protective
effects of Vitamin E and Vitamin C, provided through dietary
supplementation, on mouse skeletal muscle and plasma by measuring lipid
peroxidn. and protein carbonyl formation under conditions of muscle
fatigue. Our interest is to examine if antioxidant
supplementation increases resistance to muscle **fatigue** and
decreases free radical damage to muscles after **fatigue**. Protein
carbonyl formation will reflect oxidative damage to muscles while lipid
peroxidn. will be used as a measure of oxidative stress.